

Fig. 1

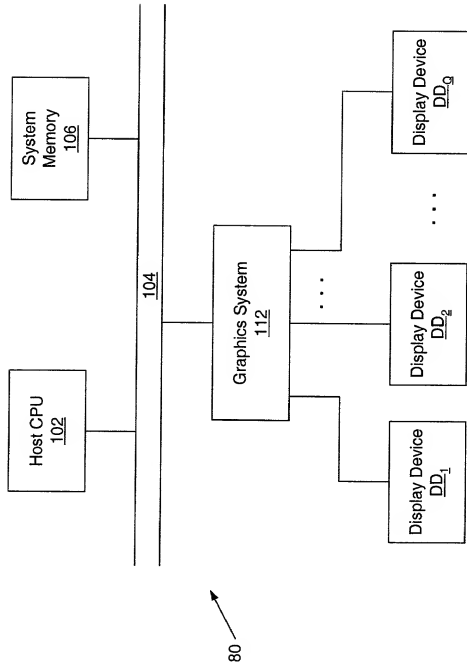


FIG. 2

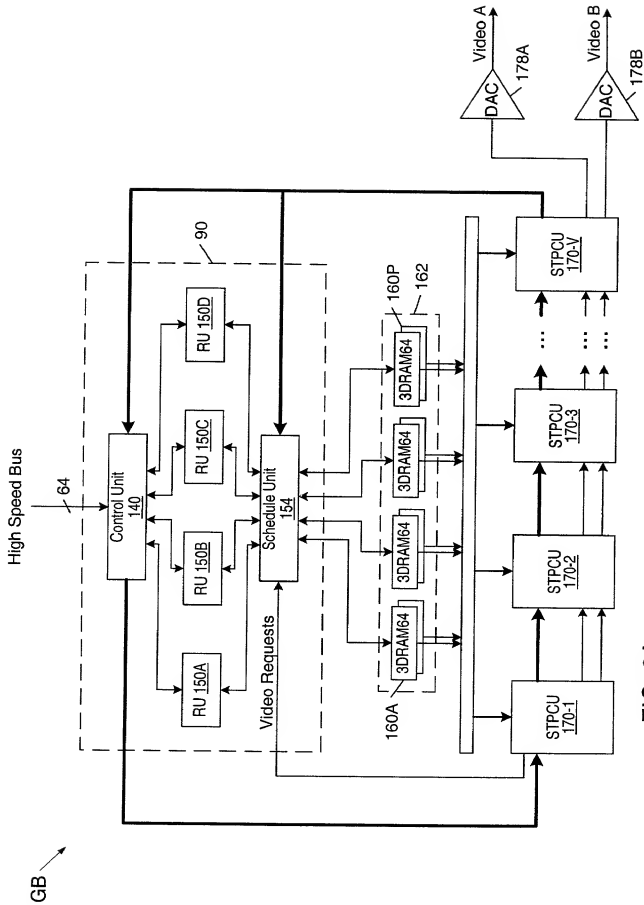


FIG. 3A

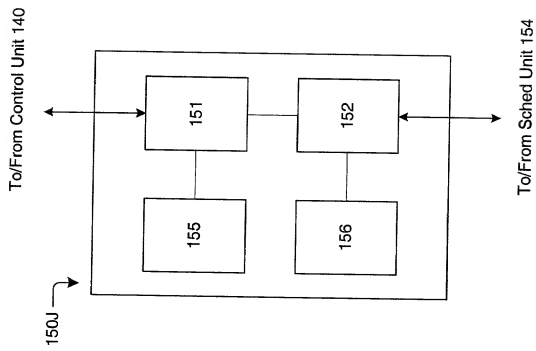
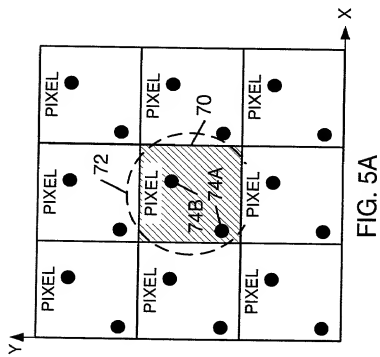
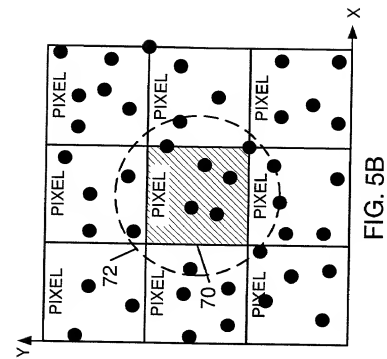
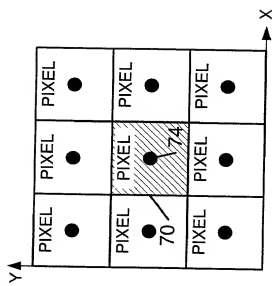


FIG. 3B



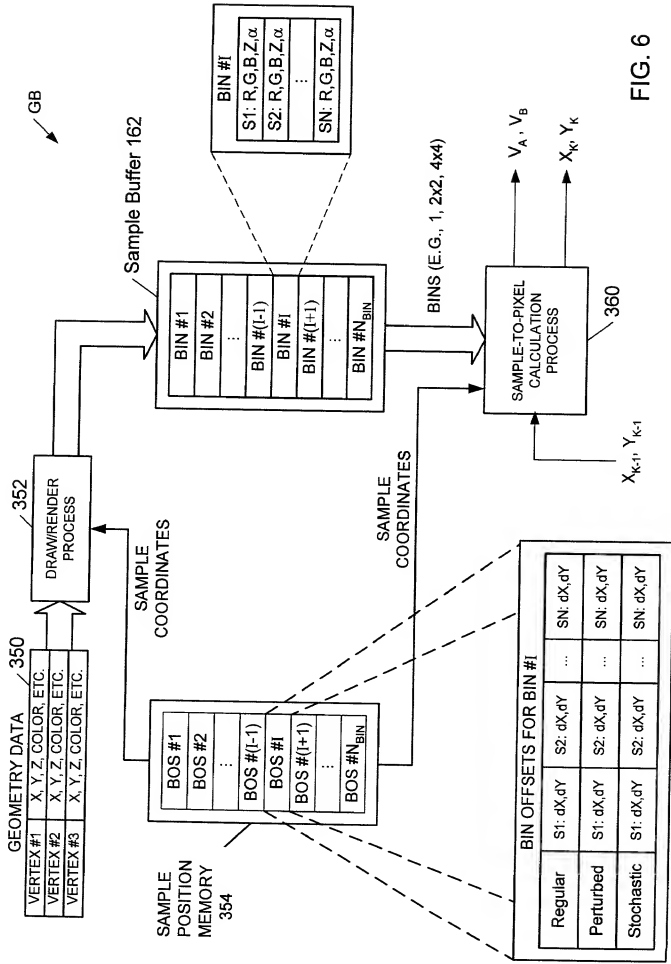
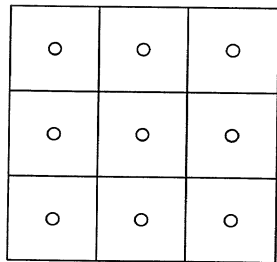
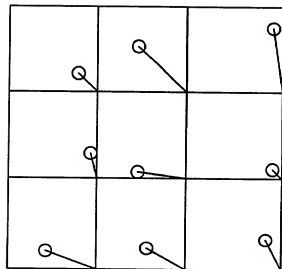


FIG. 6

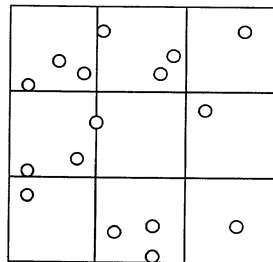




Regular Sample  
Positioning 190



Perturbed Regular  
Sample Positioning 192



Stochastic Sample  
Positioning 194

FIG. 8

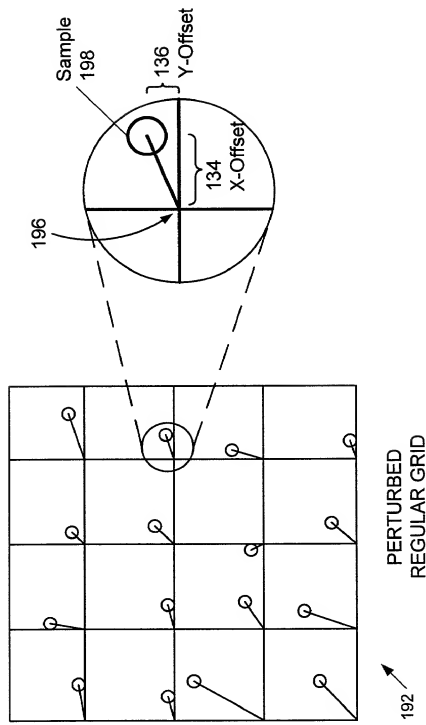


FIG. 9

PERTURBED  
REGULAR GRID  
192

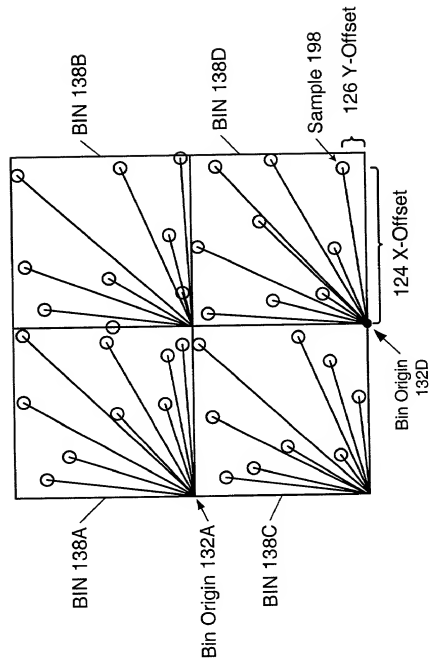


FIG. 10



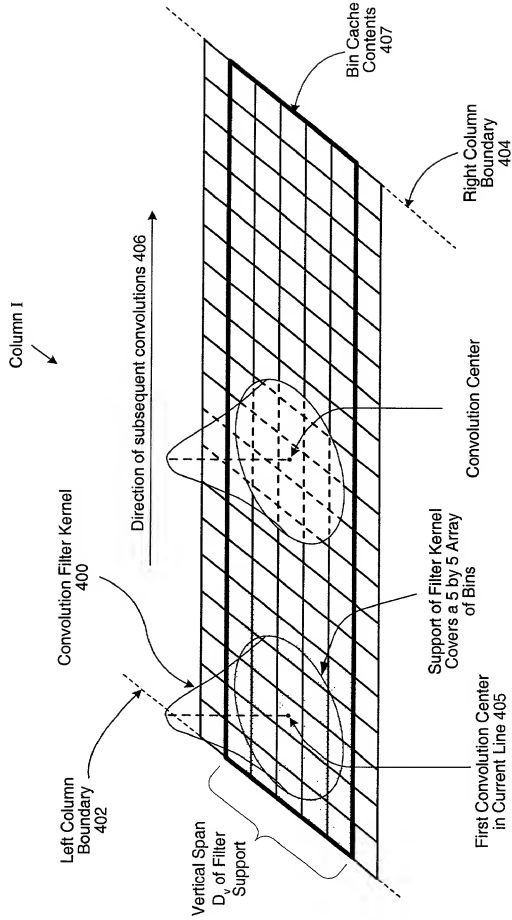


FIG. 12A

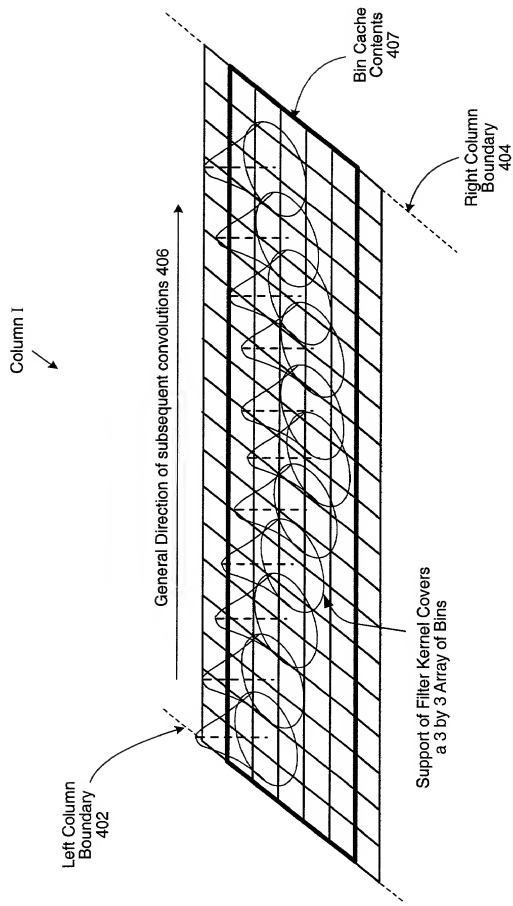


FIG. 12B

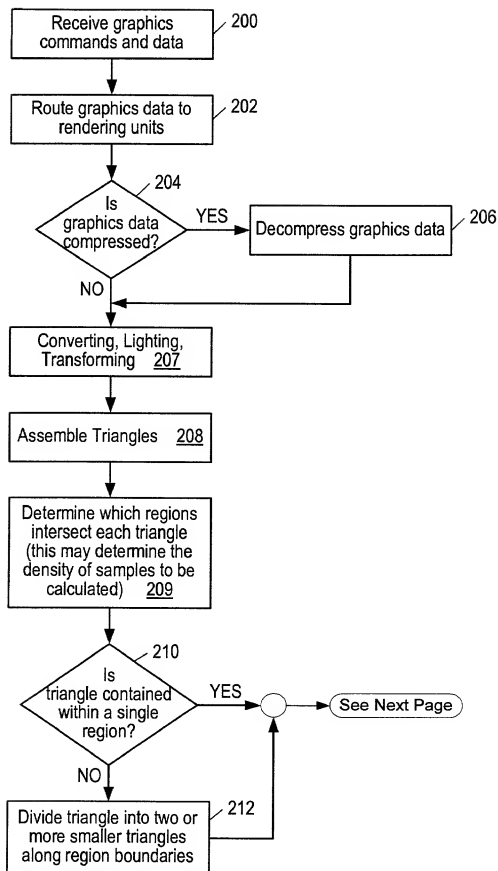


FIG. 13A

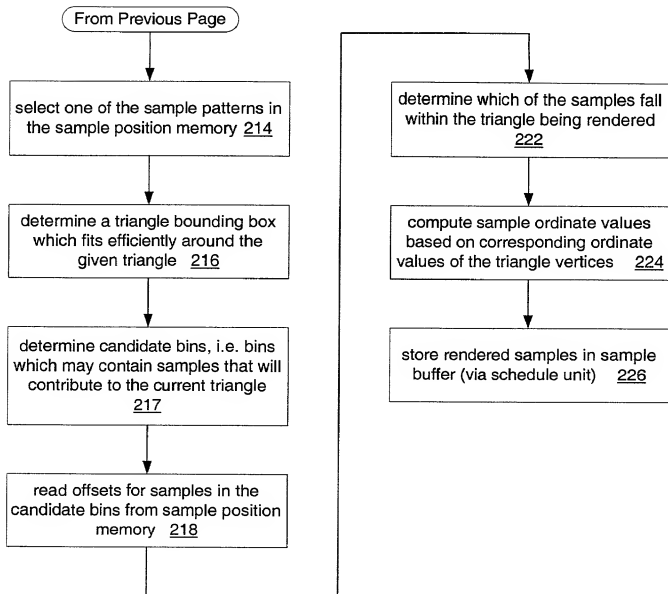


FIG. 13B

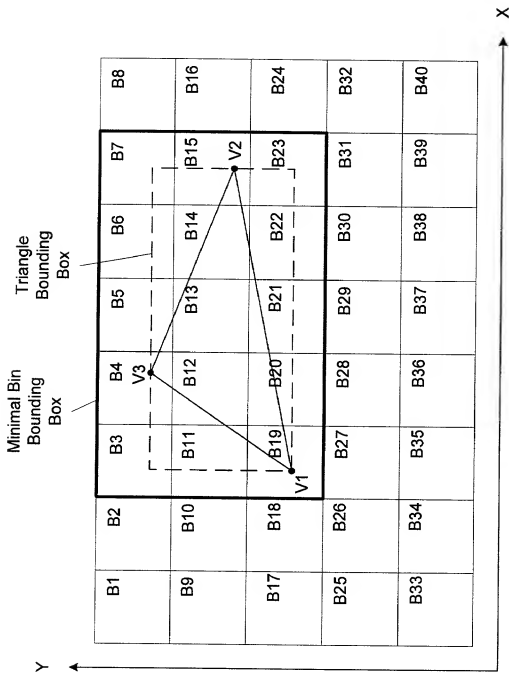


Fig. 13C

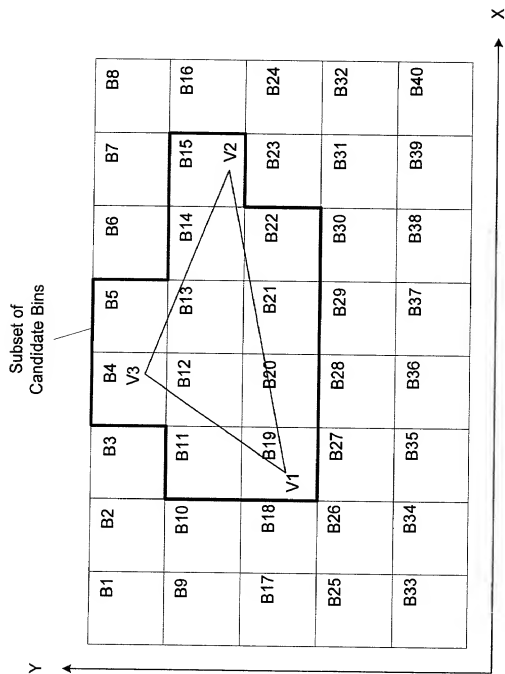


Fig. 13D

Bin Identifications

B3	B4	B5	B6	B7
B11	B12	B13	B14	B15
B19	B20	B21	B22	B22

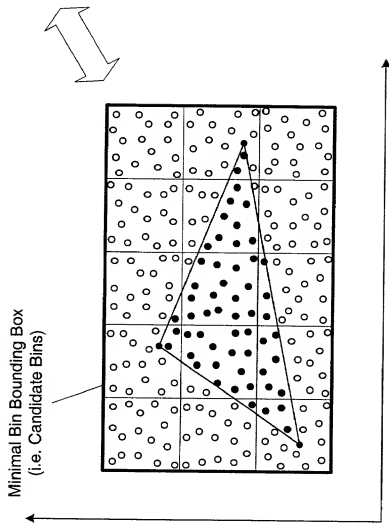


Fig. 13E

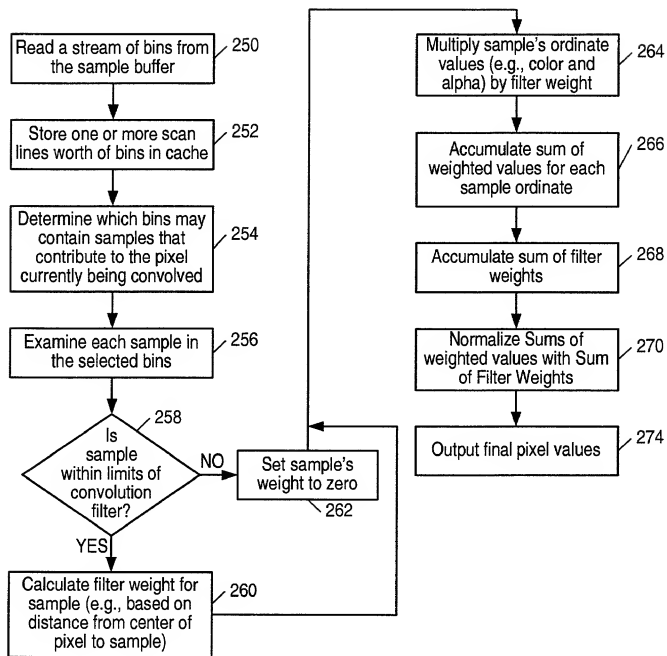


FIG. 14

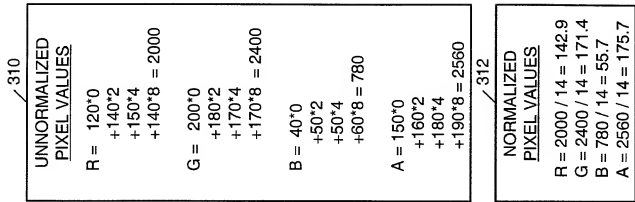
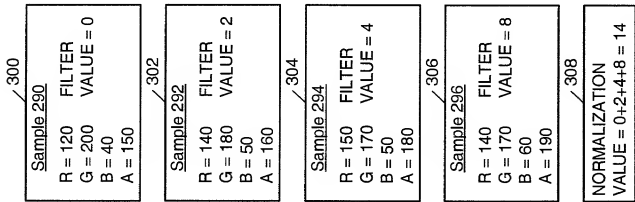
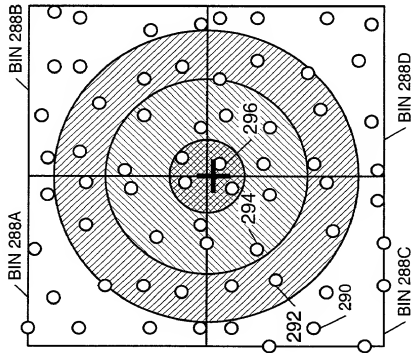
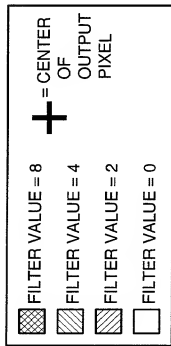


FIG. 15

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graph TD
    500[receive a line-draw command] --> 505[compute a horizontal displacement and a vertical displacement between the line segment endpoints]
    505 --> 510[determine if the line is X-Major or Y-Major]
    510 --> 515[compute line equation parameters m and b for the line]
    515 --> 520[determine a line bounding box around the line segment]
    520 --> 525[determine a set of candidate bins which intersect with the triangle bounding box]
    525 --> 530[compute a set of sample positions for each of the candidate bins]
    530 --> 535[filter the sample positions to determine those sample positions that fall within the line bounding box]
    535 --> 540[assign sample values (e.g. color and/or transparency values) to the sample positions inside the line bounding box based on their normal distances from the line segment]
    540 --> 545[store sample values in sample buffer with or without alpha-blending]
  
```

FIG. 16

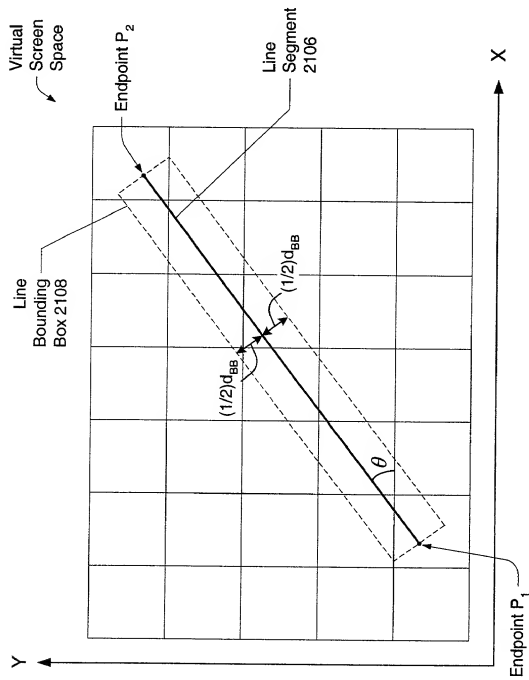


Fig. 17A

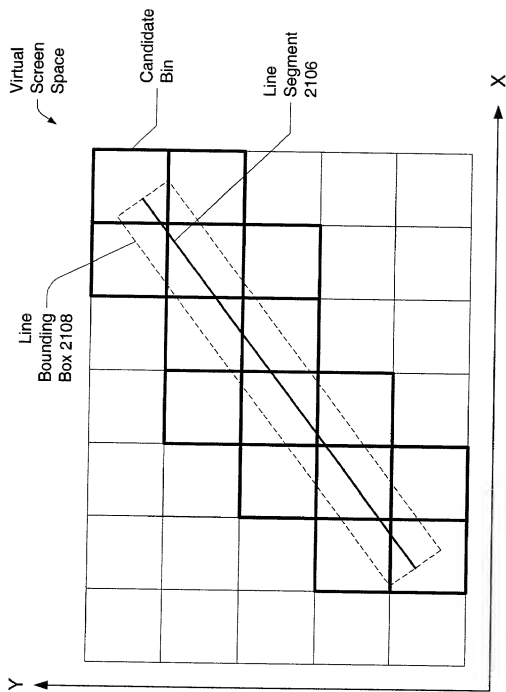


Fig. 17B

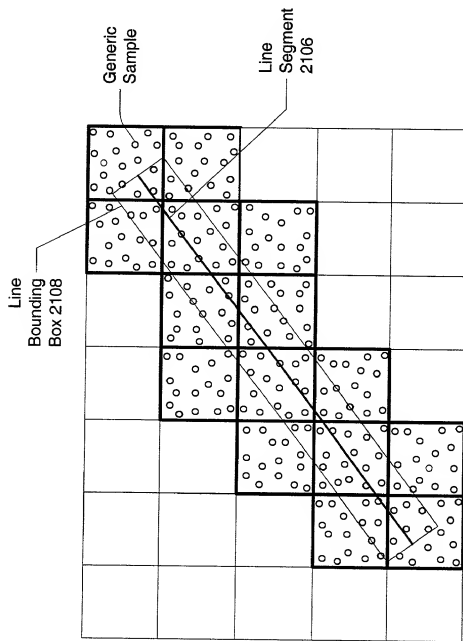


Fig. 17C

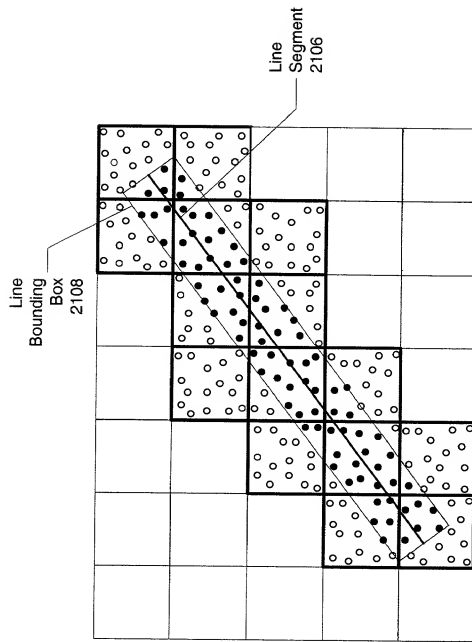


Fig. 17D

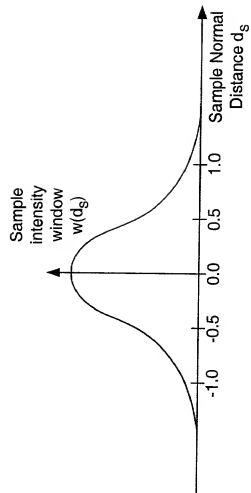


Fig. 17E

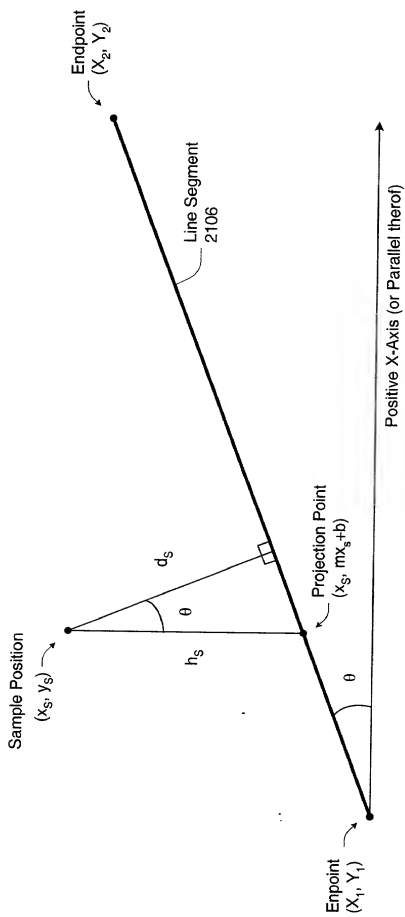
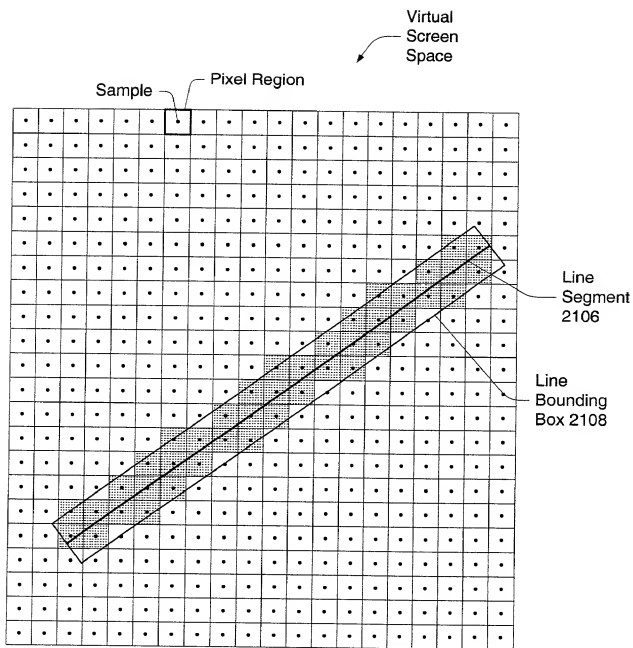


Fig. 17F

[illegible]

**Fig. 18**